

Converting Colors

XYZ(28.0719, 15.9009, 31.0591)

Have a look what the booklet for
XYZ(28.0719, 15.9009, 31.0591)
contains.

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Color

**XYZ(27.9864, 15.8815,
30.8686)**

Conversions

Conversions Part 1

Format	Color
Hex	BD3897
RGB	189, 56, 151
RGB Percent	74%, 22%, 59%
CMY	0.2588, 0.7804, 0.4078
CMYK	0.00, 0.70, 0.20, 0.26
HSL	317°, 54%, 48%
HSV	317°, 70%, 74%
XYZ	27.9864, 15.8815, 30.8686
YIQ	106.5970, 48.7730, 57.7410

Conversions

Conversions Part 2

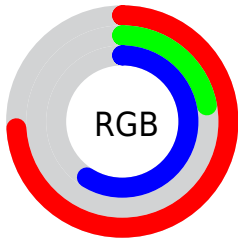
Format	Color
R_{YB}	189, 56, 151
Decimal	12400791
CIE _{Lab}	46.82, 61.87, -23.08
CIE _{LCh}	47, 66.033, 339.544
Yxy	15.8815, 0.3745, 0.2125
Android (android.graphics.Color)	4290590871 (0xFFBD3897)
YUV	106.5970, 21.8907, 72.2674
Hunter-Lab	39.8516, 55.6141, -18.0292

Details

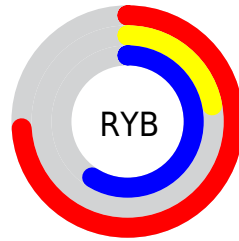
The XYZ color **27.9864, 15.8815, 30.8686** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **21.8497, 38.0448, 16.7831**, and the grayscale version is **13.7967, 14.5152, 15.8070**.

A 20% lighter version of the original color is **55.7482, 36.3989, 61.8450**, and **11.8160, 5.8256, 12.5583** is the 20% darker color. If you saturate the color by 10%, you get **26.8086, 14.2116, 28.3615**, and if you desaturate by 10%, it is **29.5310, 18.2523, 33.5973**.

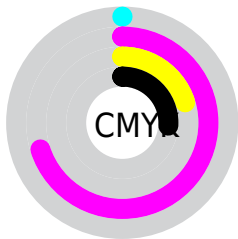
Distribution



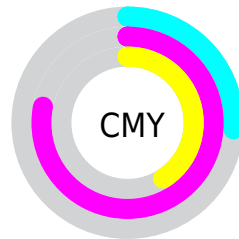
- Red (74%)
- Green (22%)
- Blue (59%)



- Red (74%)
- Yellow (22%)
- Blue (59%)



- Cyan (0%)
- Magenta (70%)
- Yellow (20%)
- Black (26%)





- Cyan (26%)
- Magenta (78%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9864, 15.8815, 30.8686 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 27.9864, 15.8815, 30.8686 by changing the saturation by 10% instead.

 27.9864, 15.8815,
30.8686


 27.9864, 15.8815,
30.8686


284.4832,
228.6415, 320.2649


 18.4558, 9.4403,
20.2412


 55.8715, 36.3924,
62.1103


 11.3794, 5.0295,
12.3847


 74.9568, 51.2309,
83.5616


 6.3918, 2.2646,
6.8805


 97.9576, 69.6372,
109.4581

 3.1277, 0.7549,
3.3102

 125.2394, 91.9959,
140.2181

 1.2216, 0.0000,
1.2551

 157.1675,
118.6913, 176.2602

 0.1233, 0.0000,
0.0246

194.1073,

 0.0000, 0.0000,

150.1077, 218.0031

0.0000

236.4240,
186.6297, 265.8651

■ 27.9864, 15.8815,
30.8686

■ 27.9864, 15.8815,
30.8686

■ 26.8086, 14.2116,
28.3615

■ 29.5310, 18.2523,
33.5973

■ 25.9545, 13.1576,
26.0600

■ 31.4759, 21.3916,
36.5598

■ 25.3595, 12.5681,
24.0101

■ 33.8526, 25.3614,
39.7679

■ 36.6889, 30.2168,
43.2321

■ 40.0100, 36.0083,
46.9621

■ 43.8395, 42.7823,
50.9668

■ 48.1993, 50.5824,
55.2549

■ 53.1100, 59.4493,
59.8342

■ 58.5911, 69.4217,
64.7124

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.2742, 15.8815, 54.9455



27.9864, 15.8815, 30.8686



28.8148, 15.8815, 12.5605

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.9864, 15.8815, 30.8686



13.3369, 15.8815, 1.0965



8.0799, 15.8815, 46.2564

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.9864, 15.8815, 30.8686



21.8497, 38.0448, 16.7831

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.6133, 15.8815, 23.0842



27.9864, 15.8815, 30.8686



9.0990, 15.8815, 2.5723

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.9864, 15.8815, 30.8686



19.2928, 15.8815, 1.3631



6.9319, 15.8815, 8.4265



11.5549, 15.8815, 67.0766

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.9864, 15.8815, 30.8686



26.8852, 15.8815, 5.9154



6.9319, 15.8815, 8.4265



7.3814, 15.8815, 38.0458

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.9869, 15.8823, 30.8689



71.0417, 63.4094, 83.4398



15.1841, 8.8664, 49.0557



14.9104, 12.9936, 17.5395



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.9869, 15.8823, 30.8689



47.1852, 24.3857, 48.6994



24.0336, 14.3010, 10.0510



9.8106, 9.6485, 11.3914



17.0967, 8.4698, 16.3348



0.6965, 0.3425, 0.7812

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.9869, 15.8823, 30.8689



47.1852, 24.3857, 48.6994



26.1904, 39.7810, 39.6409



9.8106, 9.6485, 11.3914



17.0967, 8.4698, 16.3348



0.6965, 0.3425, 0.7812

Previews

White Background



This preview shows how the XYZ color 27.9864, 15.8815, 30.8686 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

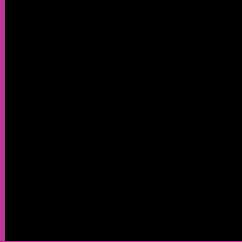
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9864, 15.8815, 30.8686

Background



This preview shows how black text looks on a background with the XYZ color 27.9864, 15.8815, 30.8686.



This preview shows how white text looks on a background with the XYZ color 27.9864, 15.8815,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.9864, 15.8815, 30.8686

Protanopia

17.9183, 16.2434, 52.6430

Deuteranopia

16.4777, 16.1992, 28.2449



Tritanopia

23.7053, 15.9842, 9.8185

Trichromacy



Original Color

27.9864, 15.8815, 30.8686

Protanomaly

18.8945, 14.2397, 43.8722

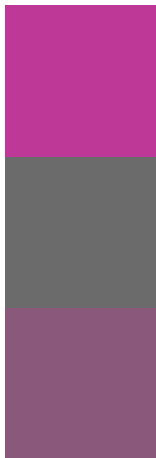
Deuteranomaly

18.9978, 14.6219, 29.0151

Tritanomaly

24.7895, 15.6321, 15.6207

Monochromacy



Original Color

27.9864, 15.8815, 30.8686

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.3814, 13.7279, 20.4725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9864, 15.8815, 30.8686 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(189, 56, 151)` looks like.

```
.text, #text, p{  
  color:rgb(189, 56, 151)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(189, 56, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 56, 151) }
```

Border

The CSS property to change the border of an element to XYZ 27.9864, 15.8815, 30.8686 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 56, 151) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(189, 56, 151) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(189, 56, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 56, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 56, 151);  
box-shadow:4px 4px 4px 4px rgb(189, 56,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9864, 15.8815, 30.8686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 56, 151) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(189, 56,  
151) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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